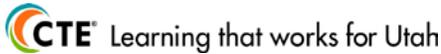


Utah Career and Technical Education Career Pathway

2018-2019 School Year



CTSO Information
 Career and Technical Student Organizations (CTSO) align with the national Career Clusters® and the Utah CTE Career Pathways.
 SkillsUSA is the CTSO for students in the Electrical Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.

Workforce Trends
 As the population and economy grow, more electricians will be needed to install and maintain electrical devices and wiring in homes, offices, and other structures. Job opportunities are expected to be excellent, largely arising from the need to replace electricians who leave the occupation permanently.

Career Cluster: Architecture & Construction

Career Pathway: Construction & Structural Systems: Electrical

CORE CODE	FOUNDATION COURSES (required)	CREDITS	
40.08.00.00.050	Electrician 1	1.00	2.00 credits
40.08.00.00.055	Electrician 2	1.00	
ELECTIVE COURSES			
38.01.00.00.041	CAD Architectural Design 1 *	.50	1.00 credit
38.01.00.00.042	CAD Architectural Design 2 *	.50	
38.01.00.00.051	CAD Mechanical Design 1 *	.50	
40.08.00.00.035	Construction Trades Foundation	.50	
38.01.00.00.021	Electronics 1 *	.50	
38.01.00.00.022	Electronics 2	.50	
38.01.00.00.023	Electronics 3	.50	
41.00.00.00.030	Workplace Skills	.50	
3.00 credits for completion			

* Course can be taken up to 1.00 credit.

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

Electrical is:

- > High skill
- > High wage
- > High demand

Sample Occupations Requiring:

- High School Diploma
- > Electrical Equipment Assembler
- > Electrician
- > Electrician Helper
- Certificate
- > Electrical and Electronics Engineering Technician
- Assoc. or Technical Degree
- > Electrical Drafter
- Baccalaureate Degree
- > Career and Technical Education Teacher
- > Electrical Engineer
- > Secondary Education Teacher
- Graduate or Prof. Degree
- > Electrical Engineer

Student Testimonial
 "I have an occupational goal of becoming a journeyman electrician. I am currently working in this field and have two years of on-the-job training. The CTE courses I took in high school helped me with real life and they gave me skills that are useful in the real-world."
 Jason Manning

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING

There are a number of options for education and training beyond high school, depending on your career goals.

12th Grade	1-Year Certificate	2-Year Associate or Technical Degree	4-Year Bachelor's Degree	More Graduate or Prof. Degree
Certificates are awarded upon the successful completion of a brief course of study, usually one year or less. Upon completion of a course of study, a certificate does not require any further action to retain. In high school a variety of certificates can be earned.	An academic degree is an award for the completion of a program or course of study over multiple years at postsecondary education institutions. In 2015-2016, 73 percent of secondary students who concentrated in a CTE Career Pathway placed in postsecondary education, advanced training, military service or employment (October 1-December 31).			

Utah Business and Industry Facts
 According to the Utah Department of Workforce Services, the median salary for an electrician is \$52,600, which is roughly the same nationwide.
 Employment of electricians fluctuates with the overall economy.
 In Utah, an electrician must be licensed.

CTE Skill Certificates
 Competency-based student assessments, measured by core standards and competencies needed to be successful in the workforce.

UtahFutures: College and Career Planning
 Visit UtahFutures.org for salary projections, labor market demand, and training options.

In 2016-2017, 105,691 CTE skill certificates were awarded to high school students. Students' knowledge and performance is demonstrated as part of the Skill Certificate process.

In 2016-2017, the graduation rate for students who concentrated in a CTE Career Pathway was 95 percent, compared to Utah's statewide graduation rate of 86 percent.